

MSDS

H.R. Simon and Company, Inc. (800) 638-9460
3515 Marmenco Court
Baltimore, Maryland 21230
for chemical **Emergency: (800) 424-9300**

Section 1 Identification:

Chemical Name: SEF2 Developer Part B
MSDS Number: S60-SEF2-B

Chemical Family: Aqueous Solution
Date: 01/06

Section 2 Composition (Ingredients required)

Name	%	CAS Number	ACGIH (TLV)	OSHA (PEL)
Diethylene Glycol	25-35	111-46-6	None	None
1,5 Pentanediol	30-40	111-30-8	0.1 ppm	0.1 ppm
Sodium Bisulfite		7681-57-4	5mg/m ³	5mg/m ³

Section 3 Hazards Identification:

Warning! Contains Sodium Bisulfite (7681-57-4), 1,5 pentanediol (111-30-8)
Harmful if swallowed
Causes severe eye & skin irritation
May cause allergic skin reaction.

Section 4 First Aid Measures:

Eyes: Immediately flush eyes with water for fifteen minutes. Seek medical help.
Skin: Remove contaminated clothing. Flush skin for fifteen minutes. If symptoms persist, seek medical help.
Ingestion: Conscious subject: immediately give large amounts of water. Do not induce vomiting. Unconscious person: Call for medical help immediately. Do not give anything by mouth to an unconscious person.
Inhalation: Remove subject to fresh air. If symptoms persist, seek medical help.

Section 5 Fire Fighting Measures:

Flash Point: none
Extinguishing Media: Use media for surrounding material
Fire Fighting Procedures: Wear full protective gear with face mask.
Unusual Fire and Explosion Hazards: none

Section 6 Accidental Release Measures:

Small spills may be mopped up. Soak spill with saw dust, sand, oil dry, or any other absorbent material. Dispose of recovered material in accordance with all federal, state and local regulations.

Section 7 Handling and Storage:

No special storage requirements.

Section 8 Exposure Controls:

No special ventilation is necessary, except in small enclosed areas where a local exhaust fan should be used. Use latex or neoprene gloves, safety glasses with side-shields or chemical goggles. Wear a chemical resistant apron.

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Section 9 Physical Chemical Properties:

SEF2 Developer Part B

Boiling Point: >212 degrees F
Appearance: Clear yellowish liquid
Specific Gravity: 1.12 @ 15.5 degrees C

Solubility in Water: Complete
Odor: Slight aldehyde odor
pH Level: 1.7 @ 25 degrees C

Section 10 Stability and Reactivity:

Chemical stability: stable **Incompatibility:** oxidizing agents, strong alkaline materials, strong acids. **Decomposition Products:** Carbon dioxide, carbon monoxide, oxides of sulfur in combustible environment. **Hazardous Polymerization:** will not occur

Section 11 Toxicology Information:

Harmful if swallowed. May cause irritation to the gastrointestinal and digestive tracts. Causes irritation to the eyes. May cause conjunctivitis or redness to eyes. May cause irritation to skin. Vapor may be irritating to respiratory tract. May cause allergic reactions in some people. Inhalation may cause adverse reactions in susceptible individuals, especially asthmatics.

Section 12 Ecological Information:

Product diluted with large amounts of water and followed by secondary waste treatment should not cause adverse environmental effects.

Section 13 Disposal Considerations:

Dispose of recovered material in accordance with federal, state and local regulations.

Section 14 Transportation Information:

For transportation information regarding this product, contact H.R. Simon & Company, Inc. (800) 638-9460.

Section 15 Regulatory Information:

Materials known to state of California to cause cancer: None
Materials known to state of California to cause adverse reproductive effects: None
Carcinogenicity Classification (components present at 0.1% or more):
International Agency for Research of Cancer (IARC): None
American Conference of Governmental Industrial Hygienists (ACGIH): None
National Toxicology Program (NTP): None
Occupational Safety and Health Administration (OSHA): None
Chemicals subject to reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372: None

Section 16 Other Data:

NFPA HAZARD CODES (0=LEAST; 4=MOST)
HEALTH=2
FLAMMABILITY=0
REACTIVITY=0
SPECIFIC HAZARD=0

Note: This MSDS relates only to the material herein, and does not relate in combination with any other material or process. This MSDS is based on information provided by us and is believed to be accurate, although no guarantee or warranty is provided or implied by the company in this respect. Since the use of this product is the exclusive control of the user, it is the user's responsibility to determine the conditions of safe use. Such conditions must comply with all government regulations.